What is claimed is:

1. A motion picture transmission method for transmitting video data through a transmission line that a motion picture signal is coded in a video transmission unit, said method comprising the steps of:

generating at least I picture data and a plurality of P picture data in said video transmission unit; and

transmitting said I picture data and a predetermined number of P picture data in accordance with a request from said transmission line.

2. A motion picture transmission method according to claim 1, wherein said transmission line comprisese transmission lines having different transmission speeds of said video data, and the number of said P picture data is changed according to transmission speeds of said transmission lines.

3. A motion picture transmission method according to claim 2, wherein said video transmission unit encodes said motion picture signal on the bases of either one of MPEG-4 and MPEG-2.

4. A motion picture transmission method according to claim 1, wherein in the case where it is determined that said I picture data comprises at least first I picture data and second I picture data, transmission of

said P picture data subsequent to said first I picture data is cancelled and transmission is started from said second I picture data.

5. A motion picture transmission method according to claim 1, wherein when the number of said P picture data is changed, the number of P picture data subsequent to said I picture data is changed in accordance with the transmission speed of said transmission line, and the changed number of said P picture data is transmitted.

6. A motion picture transmission method according to claim 1, wherein said video transmission unit stores the number of I picture data and a plurality of P picture data according to a request from said transmission line, and transmits said stored I picture data and P picture data as stream data of a GOP unit to said transmission line.

7. A motion picture transmission system comprising:

a video transmission unit for encoding a motion picture signal;

a transmission line for transmitting video data encoded in said video transmission unit; and

a video reception unit for receiving said video data transmitted via said transmission line,

wherein said video transmission unit includes

generator for generating at least an I picture data and a plurality of P picture data, and

selector for selecting said I picture data and a predetermined number of P picture data in accordance with a request from said transmission line.

8. A motion picture transmission system according to claim 7, wherein said transmission line comprises transmission lines having different transmission speeds of said video data, and

said selector for selecting said I picture and a predetermined number of P picture data in accordance with a request from said transmission line includes means for changing the number of said P picture data in accordance with transmission speeds of said transmission lines and sending the changed number of said P picture data.

9. A motion picture transmission system according to claim 8, wherein the means for changing the number of said P picture data in accordance with transmission speed of said transmission line and transmitting the changed number of said P picture data includes means for changing the number of P picture data subsequent to said I picture data.

10. A motion picture transmission system according

to claim 7, wherein said image transmission unit further comprises a memory unit,

said memory unit stores the number of I picture data and a plurality of P picture data according to a request from said transmission line, and

said video transmission unit converts said stored I picture data and P picture data into stream data of a GOP unit and transmits said stream data to said transmission line.

11. A motion picture transmission system according to claim 8, wherein said video reception unit comprises a plurality of video reception units, said plurality of video reception units being connected to transmission lines of different transfer speeds of said video data, respectively, said video transmission unit transmits a predetermined number of I picture data and P picture data in accordance with a request from each of said video reception units to each of said video reception units, and each of said video reception units reproduces a motion picture from each of the received I picture data and P picture data.

12. A motion picture transmission apparatus comprising:

a coding unit for converting a motion picture signal into at least I picture data and a plurality of P picture data;

a memory unit for storing said I and P picture data;

an output unit for outputting said I and P picture data; and

a control unit for controlling said output unit,

wherein said control unit controls the number of I picture data and the number of P picture data output from said output unit in accordance with a request from a transmission line.

13. A motion picture transmission apparatus according to claim 12, wherein a request from said transmission line is the different number of said I picture data and said P picture data , and

said control unit changes the number of said P picture data in accordance with a request from said transmission line and transmits the changed number of P picture data.

14. A motion picture transmission apparatus according to claim 13, wherein in the case of changing the number of said P picture data in accordance with a request from said transmission line, and transmitting them, the number of P picture data subsequent to said I picture data is changed and the changed number of P picture data is transmitted.

15. A motion picture transmission apparatus

according to claim 12, wherein said memory unit stores the number of I picture data and a plurality of P picture data according to a request from said transmission line, and

said control unit converts said stored I picture data and P picture data into stream data of the GOP unit and transmits the stream data from said output unit.